

Storm Data and Unusual Weather Phenomena - April 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OHIO, Southeast				
PERRY COUNTY				
GLENFORD	04/11/07 22:00 EST	0		Hail (0.75 in)
	04/11/07 22:00 EST	0		39.88N, 82.32W
A narrow line of showers and thunderstorms was along a cold front associated with a strong low pressure system centered near Chicago.				
VINTON COUNTY				
RAY	04/26/07 20:15 EST	0		Hail (0.88 in)
	04/26/07 20:15 EST	0		39.2N, 82.67W
VINTON COUNTY				
ALLENSVILLE	04/26/07 20:30 EST	0		Thunderstorm Wind (EG 50 kt)
	04/26/07 20:30 EST	0		39.27N, 82.62W
Thunderstorms formed ahead of an approaching cold front.				
VIRGINIA, Northwest				
BUCHANAN COUNTY				
COUNCIL	04/15/07 03:00 EST	2K		Flood (due to Heavy Rain)
HURLEY	04/15/07 07:00 EST	0		37.08N, 82.07W ~ 37.42N, 82.03W
Minor flooding on small streams occurred in scattered locations throughout the county.				
DICKENSON COUNTY				
MC CLURE	04/15/07 03:00 EST	10K		Flood (due to Heavy Rain)
HAYSI	04/15/07 07:00 EST	0		37.1N, 82.38W ~ 37.22N, 82.32W
Minor flooding of small streams was common during the early morning hours.				
Rain began early on Saturday the 14th, then diminished during the day on the 15th. The rain was associated with a storm system developing over the southeastern United States that would eventually become a major coastal storm. The 36 hour rain amounts were over 3 inches in a few locations. Some preliminary totals included 3.2 inches from Grundy, Hurley, and Breaks Interstate Park. John Flannagan Lake measured 3.1 inches. Nora had 2.9 inches. Roads were impassible for a time on the 15th due to water and rock slides. A 20 foot section of a road near McClure was washed out. County officials reported no dwellings were flooded in both Dickenson and Buchanan Counties.				
WEST VIRGINIA, West				
LOGAN COUNTY				
CHAPMANVILLE	04/15/07 00:30 EST	0.75M		Flood (due to Heavy Rain)
MAN	04/15/07 16:00 EST	0		37.98N, 82.02W ~ 37.73N, 81.88W
Both small stream and river flooding was common throughout the county.				
BOONE COUNTY				
WHITESVILLE	04/15/07 01:30 EST	0.75M		Flood (due to Heavy Rain)
DANVILLE	04/16/07 13:00 EST	0		37.97N, 81.53W ~ 38.08N, 81.83W
Small stream and river flooding was widespread throughout the county.				
KANAWHA COUNTY				
DAWES	04/15/07 01:30 EST	0.20M		Flood (due to Heavy Rain)
TORNADO	04/16/07 13:00 EST	0		38.15N, 81.45W ~ 38.33N, 81.85W

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MINGO COUNTY				
GILBERT	04/15/07 01:30 EST		0.60M	Flood (due to Heavy Rain)
KERMIT	04/16/07 15:00 EST		0	37.62N, 81.87W ~ 37.83N, 82.42W
Both small stream and river flooding occurred throughout the county.				
CLAY COUNTY				
WIDEN	04/15/07 02:00 EST		10K	Flood (due to Heavy Rain)
BOMONT	04/15/07 08:00 EST		0	38.47N, 80.87W ~ 38.45N, 81.23W
Minor small stream flooding was scattered about the county.				
FAYETTE COUNTY				
DEEPWATER	04/15/07 03:00 EST		10K	Flood (due to Heavy Rain)
PAX	04/15/07 08:00 EST		0	38.12N, 81.27W ~ 37.9N, 81.27W
Minor small stream flooding was mainly over the western portion of the county.				
MCDOWELL COUNTY				
WELCH	04/15/07 03:00 EST		50K	Flood (due to Heavy Rain)
PANTHER	04/15/07 08:00 EST		0	37.43N, 81.58W ~ 37.48N, 81.9W
Minor stream flooding occurred in scattered locations throughout the county.				
RANDOLPH COUNTY				
VALLEY HEAD	04/15/07 03:00 EST		5K	Flood (due to Heavy Rain)
BEVERLY	04/15/07 08:00 EST		0	38.55N, 80.03W ~ 38.83N, 79.88W
Minor small stream and headwater river flooding occurred mainly over the southern portion of the county.				
UPSHUR COUNTY				
BUCKHANNON	04/15/07 03:00 EST		5K	Flood (due to Heavy Rain)
PECKS RUN	04/15/07 06:00 EST		0	39N, 80.23W ~ 39.05N, 80.18W
WEBSTER COUNTY				
HACKER VLY	04/15/07 03:00 EST		10K	Flood (due to Heavy Rain)
COWEN	04/15/07 08:00 EST		0	38.65N, 80.38W ~ 38.42N, 80.55W
Minor small stream flooding was scattered about the county.				
WYOMING COUNTY				
HANOVER	04/15/07 03:00 EST		50K	Flood (due to Heavy Rain)
OCEANA	04/15/07 08:00 EST		0	37.57N, 81.8W ~ 37.68N, 81.63W
Minor small stream flooding occurred throughout the county. A few vehicles were damaged after driving into flooded roads.				
NICHOLAS COUNTY				
CRAIGSVILLE	04/15/07 03:30 EST		10K	Flood (due to Heavy Rain)
DRENNEN	04/15/07 08:00 EST		0	38.33N, 80.65W ~ 38.27N, 81W
Minor small stream flooding was scattered about the county.				
RALEIGH COUNTY				
LEEVALE	04/15/07 03:30 EST		25K	Flood (due to Heavy Rain)
SOPHIA	04/15/07 08:00 EST		0	37.97N, 81.53W ~ 37.7N, 81.33W
Small stream flooding was move common over the western portion of the county.				
POCAHONTAS COUNTY				
MARLINTON	04/15/07 13:00 EST		2K	Flood (due to Heavy Rain)
	04/15/07 19:00 EST		0	38.22N, 80.1W
Minor flooding was from Knapp Creek and a swollen Greenbrier River.				

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BARBOUR COUNTY				
JUNIOR	04/15/07 14:00 EST		5K	Flood (due to Heavy Rain)
BELINGTON	04/16/07 20:00 EST		0	38.97N, 79.95W ~ 39.03N, 79.93W

Minor flooding occurred along the Tygart Valley River.

LINCOLN COUNTY				
ALUM CREEK	04/15/07 14:00 EST		0.20M	Flood (due to Heavy Rain)
BRANCHLAND	04/16/07 22:00 EST		0	38.28N, 81.8W ~ 38.22N, 82.2W

Across Lincoln County, the flooding was mainly due to the heavier rains upstream, in other counties. The flooding was along the Coal and Guyandotte Rivers, then back up into their feeder streams.

CABELL COUNTY				
SALT ROCK	04/15/07 15:00 EST		5K	Flood (due to Heavy Rain)
BARBOURSVILLE	04/16/07 23:00 EST		0	38.32N, 82.22W ~ 38.42N, 82.28W

River flooding along the Guyandotte River, from heavier rains in upstream counties, caused minor flooding.

A prolong rain event began on Saturday morning the 14th. The rain was associated with a developing low pressure system over the southeastern United States. The storm eventually became a major coastal storm with widespread effects.

The rain amounts for the first 12 hours, or into Saturday evening, were on the order of a half inch to an inch. During Saturday night, the rain became more focused and persistent from the central mountains of West Virginia on south, into the southern coal fields. This was likely on account of upper level divergence coupled with low level convergence. So the heaviest rains fell late on the 14th into the early morning hours of the 15th.

Rain totals for the whole storm spanned a 36 to 48 hour time period. Amounts were mostly 2.5 to 3.5 inches from the southern coal fields on northeast, into the mountainous counties of Webster, Randolph, and Pocahontas. A maximum of 3 to 4 inches of rain fell over the headwaters of the Coal and Guyandotte Rivers. This is also the same area that received 0.5 to 1 inch of rain, 3 days earlier. Since the new spring vegetation was just starting to green, the ground was still relatively wet, as the new storm began on the 14th.

Some preliminary maximum rain totals were 3.9 inches at both R.D. Bailey Lake and Man, 3.7 inches at Logan, 3.4 inches at Whitesville, Bolt Mountain, Dry Creek, and Gladly, 3.3 inches at Williamson and Oceana, 3.1 inches at Madison, Welch, and Marmet, Pickens had 3.0 inches, 2.9 inches at Southridge in Charleston and Pineville, 2.8 inches at Hawks Nest State Park and Webster Springs, 2.7 inches at Mullens and in the city of Beckley, 2.6 inches at Frost, and finally 2.5 inches at Hacker Valley, Sutton, Summersville, and the Charleston airport.

Small stream flooding began after midnight, early on Sunday morning, the 15th. This lead to river flooding on the Coal River, including both the Little and Big Coal basins. River flooding also occurred on both the Guyandotte and Tug Fork Rivers, plus a small reach of the Tygart Valley River.

Governor Joe Manchin declared a state of emergency. A FEMA declaration for public assistance was made. See FEMA declaration 1696 for more details. Around 189 National Guard soldiers were called up on active duty to help with the flood clean up.

The small stream and river flooding covered and blocked numerous roads. Rock and land slides also closed roads. The most flood damage to homes was across the southern coal field counties. In Mingo County, 2 homes were destroyed, 11 homes had major damage, and 20 homes had minor damage. In Logan County, 5 homes had major damage, and 8 others had minor damage. In Boone County, 5 homes had major damage, while 32 other homes saw minor damage. In Kanawha County, 1 home had major damage, and 16 homes had minor damage. In Lincoln County, 1 home had major damage, while 2 others had minor damage.

The most noteworthy river flood was on the Coal River. The Madison fire department evacuated a few dozen people. Most of these citizens were stranded in their homes along Lincoln Avenue. The gauge on the Clear Fork above Whitesville crested at 20 feet at 1000E on the 15th. At Ashford on the Big Coal, the crest was 25.7 feet around 1730E on the 15th. The crest at the river forecast point at Tornado was 30.6 feet at 0245E on the 16th. That was the highest crest at Tornado since December 1969 when a crest of 30.9 feet was reached. Flood stage is 25 feet.

On the Guyandotte River, the gauge at Man crested at 17.3 feet around 0800E on the 15th. At Logan, the river reached 26.7 around 1100E on the 15th. This caused water to back up Island Creek and Mud Fork. In some building around Mount Gay and west Logan the water was 3 to 4 feet deep. The 26.2 foot crest in May 2004 was slightly lower at Logan. The last time the stage was higher at Logan was in April 1977 when 30.5 feet was observed. Flood stage at Logan is 23 feet.

On the Tug Fork River, the gauge at Williamson crested at 35.2 feet around 2200E on the 15th. The gauge at Kermit reached 40.2 feet at 0600E on the 16th. Flood stage at Williamson is 27 feet and 38 feet at Kermit.

On the Tygart Valley River, the crest at Belington was 16 feet around 0630E on the 16th. Flood stage is 14 feet. This caused only minor flooding of roads in Barbour County.

A strong rise on the Greenbrier River, remained below flood stage at Buckeye. Minor flooding from Knapp Creek was seen in Marlinton. As the river flooding was taking place, Lincoln County emergency officials ordered an evacuation near Lee's Fishing Lake along Mahone Creek on the 15th. The dam was in danger of failure. The small impoundment was drained with pumps. The dam held, and no flooding occurred from that incident.